

What is claimed is

- 1 · A structure of engine exhauster, comprising a front case, a board and a rear case; wherein said front case has an opening, said rear case has a hole, exhaust gas passes through said board combined between said front case and said rear case; which is characterized in that:
a beehive portion disposed in said board for exhausting the exhaust gas; a check valve disposed in said front case for entering unidirectional secondary air; whereby, the exhaust gas from said front case is mixed up with the secondary air from said check valve of said front case, and then is exhausted from said hole of said rear case via said beehive portion of said board for further reducing air pollution.
- 2 · The structure of claim 1, wherein said beehive portion is wound in a cylindrical shape.
- 3 · The structure of claim 1, wherein said beehive portion is in a columnar shape.
- 4 · The structure of claim 1, wherein a secondary air inlet is disposed in said front case for mounting a pipe, said pipe passes through said check valve for entering unidirectional secondary air.
- 5 · The structure of claim 1, wherein a bending part is disposed in said board, an opening is disposed on said bending part, said beehive portion is disposed above

said bending part.

6 · The structure of claim 4, wherein said secondary air inlet is disposed on an exhaust manifold for mounting a pipe, said pipe passes through said check valve for entering unidirectional secondary air.

7 · The structure of claim 1, wherein said check valve is a guided check valve.

8 · The structure of claim 1, wherein a check block of said check valve is one of a sphere, a cone stopper, a board and a diaphragm.

9 · The structure of claim 1, suitable for a mowing machine, a blower, a chain saw, a power generator, a pump and a lumber saw.